

Title (en)
SYSTEM AND METHOD FOR ENHANCED MEASURE-CORRELATE-PREDICT FOR A WIND FARM LOCATION

Title (de)
SYSTEM UND VERFAHREN ZUR ERWEITERTEN MESSUNGS-KORRELATIONS-VORHERSAGE FÜR EINEN WINDFARM-STANDORT

Title (fr)
SYSTEME ET PROCEDE POUR EFFECTUER UNE MESURE-CORRELATION-PREDICTION AMELIOREE POUR UN EMPLACEMENT DE PARC EOLIEN

Publication
EP 1851571 A4 20100526 (EN)

Application
EP 06720048 A 20060201

Priority

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- US 64888905 P 20050201
- US 34374406 A 20060131

Abstract (en)
[origin: US2006173623A1] Enhanced meteorological measure-correlate-predict systems and methods. The systems and methods preferably consider publicly available, long-term data sets at each of a plurality of locations nearby a potential wind farm location. A test tower is preferably located at the potential location to collect a shorter-term data set, which, in combination with the long-term data set, is used to correlate and train embodiments of the systems and methods of the present invention using computational learning systems. Longer-term data can then be predicted for the potential wind farm location based on the correlation.

IPC 8 full level
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CPC (source: EP US)
G01W 1/10 (2013.01 - EP US); **G06Q 10/04** (2013.01 - EP US)

Citation (search report)

- [A] WO 02054561 A2 20020711 - ABB AB [SE], et al
- [ADP] US 6975925 B1 20051213 - BARNES DAVID L [US], et al
- [A] ALEXIADIS M C ET AL: "Wind Speed and Power Forecasting based on Spatial Correlation Models", IEEE TRANSACTIONS ON ENERGY CONVERSION, IEEE SERVICE CENTER, PISCATAWAY, NJ, US LNKD- DOI:10.1109/60.790962, vol. 14, no. 3, 1 September 1999 (1999-09-01), pages 836 - 842, XP011084512, ISSN: 0885-8969
- See references of WO 2006083943A2

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